

**BUSINESS PROFILE**

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INBIFO Institut für biologische Forschung GmbH  
Fuggerstr. 3  
D-5000 Köln 90  
FRG

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|                          |   |
|--------------------------|---|
| Business designation:    | Gesellschaft mit beschränkter Haftung   |
| Commercial register no.: | Köln HR B 367   |
| Year of founding:        | 1959  |
| Share holder:            | Fabriques de Tabac Reunies, Switzerland   |
| Capital stock:           | 10 Mio DM   |
| General Manager:         | Dr. U. Hackenberg   |
| Corporate purpose:       | to perform contract research on the<br>biological activity including toxicity<br>of materials with cells or experimen-<br>tal animals |
| Premises:                | 25000 m2  |
| Laboratory/office space: | approx. 6000 m2   |

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**Main areas of research activity:**

basic and applied research in:

- drug and chemical safety evaluation
- environmental toxicology
- carcinogenicity
- mutagenicity
- cytotoxicity
- immunotoxicity
- metabolism
- biokinetics

**Specifications of research activity:**

For health and environmental protection reasons this contract research institute performs acute, subchronic, and chronic toxicity studies.

State-of-the-art technology for the determination of parameters indicative of the various types of toxicity (see Main areas of research activity) is available and is continuously being further developed.

In vivo studies include all routes of administration. Special expertise has been developed in the field of inhalation toxicology.

All studies requiring treatment of experimental animals fully comply with current legislation (FRG legislation 18. August 1986, Tierschutzgesetz, European Communities legislation Council Directive of 24. November 1986 on the approximation of laws, regulations and administrative provisions of the Member States regarding the protection of animals used for experimental and other scientific purposes, 86/609/EEC).

Animal species and maximum number (a) used are: rats, approx. 3000; mice, approx. 10000; hamsters, approx. 1100; guinea pigs, approx. 200; rabbits, approx. 100; and dogs, approx. 50.

All animals used for research are bred for this purpose only and obtained from qualified breeders. Physical parameters defining the laboratory environment of the animals are adapted to the physiological and ethological requirements of the different species.

Handling and housing of animals is performed by qualified technical staff. The killing of vertebrates is done only by persons who possess the necessary qualifications and expertise in such a way that minimal pain is produced.

Test materials include chemicals, pharmaceuticals, pesticides, food additives, tobacco materials, and combustion products.

(a) at any given time

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In vitro testing includes isolated organs, bacteria, cultured mammalian cells/tissues, subcellular fractions, and macro-molecules.

Studies can be performed according to OECD or EPA guidelines. A Quality Assurance Unit operates ensuring that studies comply with GLP regulations according to the OECD and FDA.

Organization of research activity:

in individual research projects with specialized study directors and teams

Total staff number:

approx. 130

Number of professionals/  
(Ph.D., M.D. or D.V.M.);  
(department managers and  
study directors):

approx. 30/(20)

Head of Institute:

Dr.med. U. Hackenberg  
Pharmacologist and Toxicologist

Research Director:

Dr.rer.nat. R.-A. Walk  
Toxicologist

Operations Director:

E. Römer  
Biologist

Technology Director:

Dr.rer.nat. W. Reininghaus  
Physicist

Bioresearch departments:

Analytical Chemistry,  
Animal Treatment,  
Biochemistry,  
Cell Biology 1,  
Cell Biology 2,  
Cytometry,  
Inhalation,  
Microbiology,  
Pathology

Administration:

General Management,  
Personnel,  
Quality Assurance,  
Business Administration

Research support departments:

Physics,  
Engineering,  
Computer Operations,  
Library,  
Reporting

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